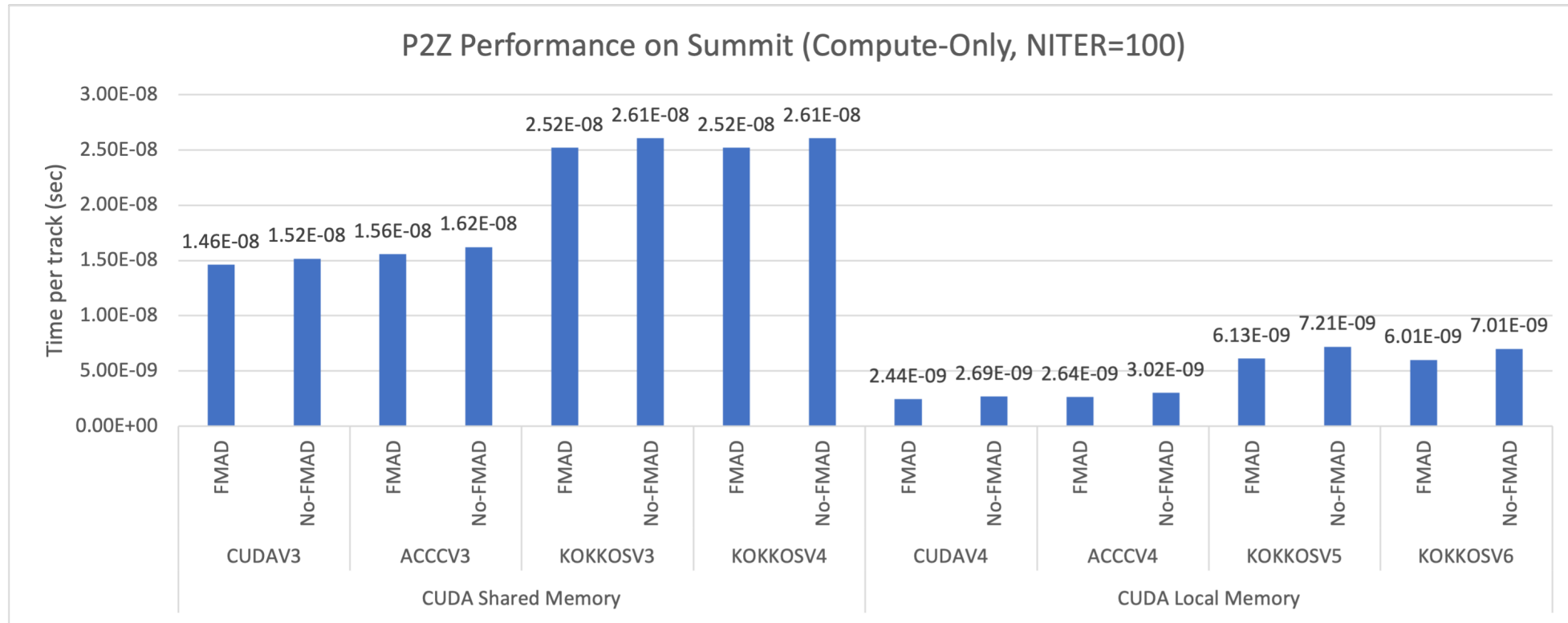


New P2Z GPU Performance on Summit (V100)

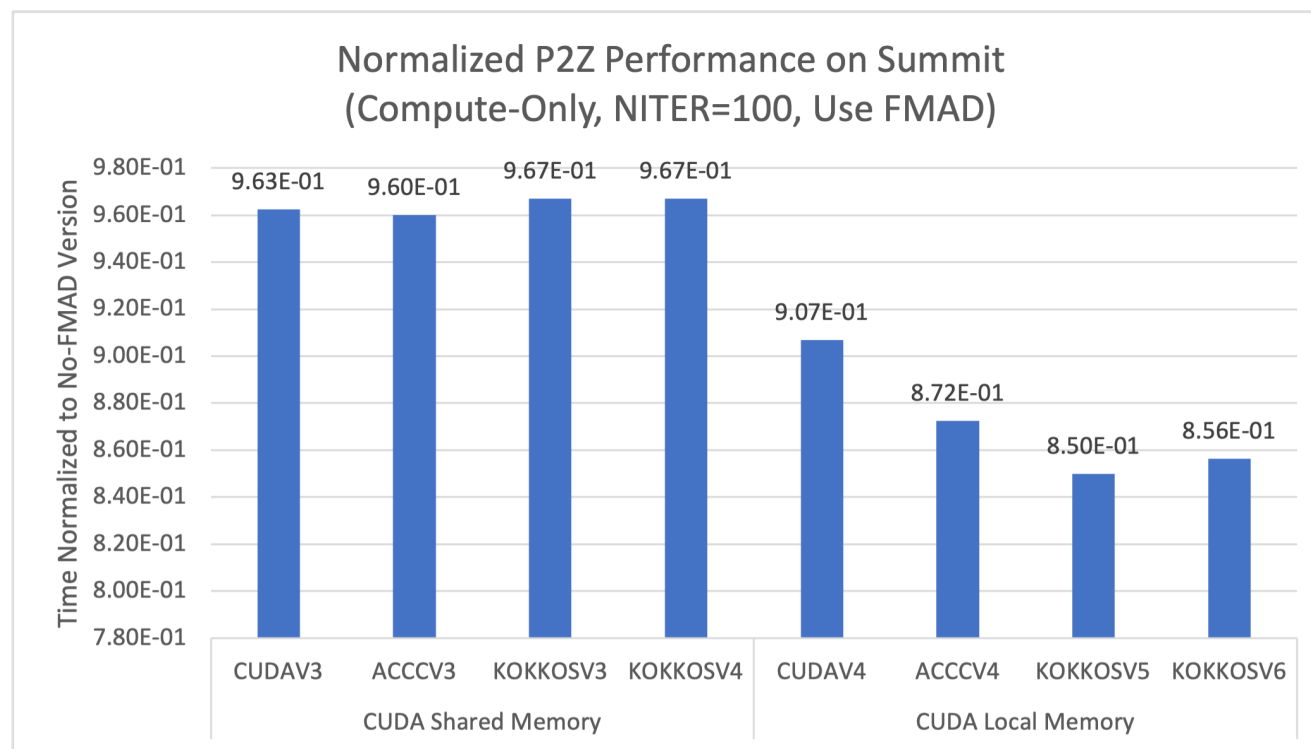


- **CUDAV3:** CUDA, Async (10 streams), Shared Memory
- **ACCCV3:** OpenACC C, Async (10 streams), Shared Memory
- **KOKKOSV3:** KOKKOS, Single Async Device Instance, Shared Memory
- **KOKKOSV4:** KOKKOS/CUDA, 10 Async Device Instances, Shared Memory

- **CUDAV4:** CUDA, Async (10 streams), Local Memory
- **ACCCV4:** OpenACC C, Async (10 streams), Local Memory
- **KOKKOSV5:** KOKKOS, Single Async Device Instance, Local Memory
- **KOKKOSV6:** KOKKOS/CUDA, 10 Async Device Instances, Local Memory

Compilers: NVCC V11.0, NVHPC V22.11, OpenARC V0.73

GPU Performance of New P2Z with FMAD (Normalized to No-FMAD)



- **CUHAV3:** CUDA, Async (10 streams), Shared Memory
- **ACCCV3:** OpenACC C, Async (10 streams), Shared Memory
- **KOKKOSV3:** KOKKOS, Single Async Device Instance, Shared Memory
- **KOKKOSV4:** KOKKOS/CUDA, 10 Async Device Instances, Shared Memory
- **CUHAV4:** CUDA, Async (10 streams), Local Memory
- **ACCCV4:** OpenACC C, Async (10 streams), Local Memory
- **KOKKOSV5:** KOKKOS, Single Async Device Instance, Local Memory
- **KOKKOSV6:** KOKKOS/CUDA, 10 Async Device Instances, Local Memory

Compilers: NVCC V11.0, NVHPC V22.11, OpenARC V0.73